

AGROFORESTRY

Set no- 01

- a) Define Agroforestry. Write the specific characteristics of Agroforestry. [2015, 12]
- b) Give the scope of Agroforestry in Bangladesh. [2012]
- c) Mention major criteria of Agroforestry. [2011]
- d) What is mean by social forestry? State in brief the objective & prospect in Bangladesh. [2015]
- e) What is forestry? State in brief the forest type of Bangladesh on the basis of ecological distribution. [2015]
- f) Write the components and benefit of Agroforestry. [2014, 11]
- g) Briefly narrate the historical development of Agroforestry. [2014]
- h) Write the advantages of agroforestry. [2013]
- i) Distinguish between- [2013]
 - * shifting cultivation & taungya cultivation.
 - * Agroforestry & reserve forestry.
 - * Agroforestry & forestry. [2012]
 - * Agroforestry & social forestry. [2011]

Set no- 02

- a) Write the structural classification of Agroforestry system with proper example on the basis of arrangement of components. [2015, 12]
- b) Write the classification of Agroforestry system based on the utilization of land. [2015, 11]
- c) Differentiated between Agroforestry system & Agroforestry practices. [2015, 12]
- d) Write the structural classification of Agroforestry system with proper example on the basis of nature of components. [2014, 11]
- e) What is meant by forest type and forestrey? Write different types of forest in Bangladesh.

State in brief the types of mangrove forest in Bangladesh. [2014]

- f) Classify Agroforestry system on the basis of function. [2013]
- g) Write down the socio-economic classification of Agroforestry system with proper examples. [2013]
- h) Write down the ecological classification of Agroforestry system. [2012]

Set no- 03 & 04

- a) What is meant by species selection? Write different climate zones and its suitable species for Agroforestry system. [2015]
- b) State in brief the effect of trees on annual crops in Agroforestry system. [2015, 12]
- c) Define coppicing. What are the points considered during coppicing? [2015]
- d) List the factors that influence the selection of species. describe the characteristic of an ideal tree for Agroforestry system with labeled diagram. [2014]
- e) What is meant by tree-crop interaction? State in brief the possible interaction between 2 components of TCI. [2013, 11, 15]
- f) Describe in brief production decreasing interaction at TCI. [2013]
- g) Describe in brief production enhancing interaction at TCI. [2015]
- h) Give the outline of different factors that influence the selection of species. [2012]
- i) Define interaction. State in brief the positive interaction at the TCI. [2012]
- j) Draw and label a diagrammatic view of an interaction at TCI. [2012]
- k) Define allelopathy. Name at list 5 trees species that have the allelopathic effect on different annual crops. [2011, 15]
- l) Write down at least 5 tree species for each of crop land, low lying & costal saline areas in Bangladesh. [2011]
- m) What is meant by MPT's? List the characteristic of MPT's suitable for Agroforestry system. [2012]
- n) Write down benefits from MPT's. [2013]
- o) Describe in brief the characteristic of NFT's. [2013]

- p) Describe the characteristic of an ideal tree for Agroforestry system. [2011]
- q) Name at list 5 plant species of each of the following areas- [2014]
- i) Tree for flood & haor area.
 - ii) City avenue area.
 - iii) Coastal saline area.

Set no- 05

- a) What is meant by homestead Agroforestry system? Describe in brief the structure of homestead Agroforestry system in Bangladesh. [2015]
- b) Discuss the principles of homestead planning. [2015, 12]
- c) Write the benefits of homestead Agroforestry system. [2015]
- d) Narrate in brief the management techniques of homestead Agroforestry system. [2014]
- e) Discuss the scope, constrains & problems of homestead Agroforestry. [2014]
- f) Prepare a planning of homestead having 1 bigha areas. [2013]
- g) Briefly discuss the role of women's in the homestead Agroforestry. [2013]
- h) Define homestead Agroforestry. Write down the basic features and categories of homestead Agroforestry. [2012]
- i) Describe in brief the vertical stratification of homestead Agroforestry in Bangladesh. [2012]

Set no- 06 (এখান থেকে সাধারনত ২ সেট প্রশ্ন হয়)

- a) How will you maintain soil fertility by Agroforestry? [2015, 14, 13, 11]
- b) How will you manage hilly areas in Bangladesh. [2015, 14, 13, 11]
- c) Define soil degradation? What is nutrient cycling? [2015]
- d) Describe brief the types of soil degradation. [2012]
- e) Define soil conservation. Why does soil fertility decline? [2014, 12, 11]
- f) State the causes of soil erosion. [2015, 14, 11]

- g) Write down the selected hypothesis for soil Agroforestry research in relation to soil conservation. [2012]
- h) How will you control erosion by Agroforestry. [2011]
- i) Define SALT model. Write the steps of SALT model. [2015]
- j) What is meant by resource pool. [2015]
- k) Briefly narrate different resources pools in Agroforestry system. [2012]

Set no- 07 (শুধু ২০১২ ও ২০১৩ সালে ১ সেট প্রশ্ন হয়েছিল)

- a) Mention the basic principles of farm land Agroforestry. [2012]
- b) Write down the desired characters of trees suitable for growing crop land. [2012]
- c) Briefly narrate the management techniques of sapling with labelled diagram. [2012]
- d) State in brief tree the management techniques for crop land Agroforestry system. [2013]
- e) Distinguished between coppicing and pollarding. [2013]
- f) How can you differentiate agrisilviculture & agrosilvopasture. [2013]

Set no- 08 (Short note)

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| a) Shelter belt. [2015, 14] | k) Allelopathy. [2014] |
| b) Taungya system. [2015, 11] | l) Steps of SALT. [2014, 11] |
| c) Mangrove forest. [2015, 13, 12] | m) Alley cropping. [2012] |
| d) Crown characteristics. [2015, 13, 11] | n) Nutrient cycling in Agroforestry system. [2012] |
| e) Scope of Agroforestry. [2015, 11] | o) Management of hilly areas of Bangladesh. [2012] |
| f) Pollarding. [2015] | p) Shifting cultivation. [2011] |
| g) Wind break. [2013] | q) Root pruning. [2011] |
| h) Social forestry. [2013, 14] | r) Factors affecting species selection. [2011] |
| i) Management of curved stem. [2013, 12] | |
| j) Coppicing. [2014, 12] | |